

Region 3 GPRA Baseline RCRA Corrective Action Facility

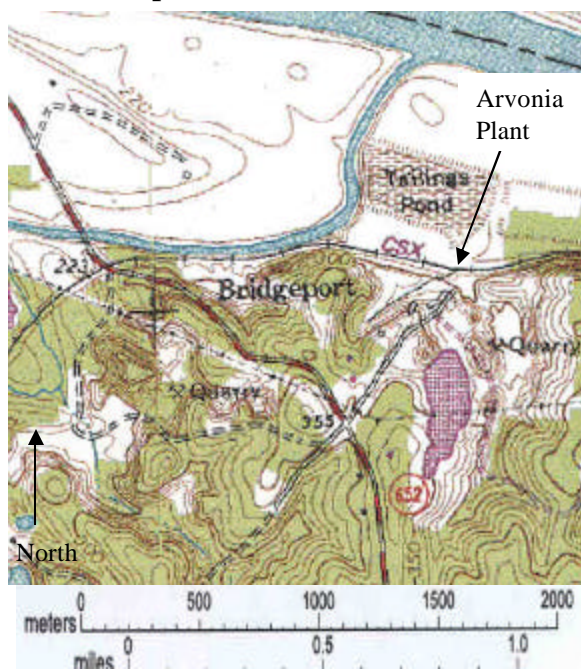
Solite Corporation - Arvonias

Box 68, State Route 652
Arvonias, VA 23004
Congressional District 5
EPA ID #: VAD042755082
Last Updated 07/01/05

Rotary Kiln



Site Location Map



Arvonias, VA USGS 7.5 Minute Quadrangle

Current RCRA CA Activities

The current RCRA CA activities at this facility are focusing on the Corrective Action Program of the Hazardous Waste Management Permit (Permit for Combustion of Hazardous Waste, Corrective Action, and Waste Minimization) for the facility's kilns. The aforementioned permit was issued by the VADEQ on September 24, 2003. The Permit includes *Site-Wide Correction Action* (Part IV) which requires the facility to conduct a RCRA Facility Investigation (RFI).

A preliminary soil sampling campaign (Environmental Indicator for Human Health Exposure Study) was conducted in August 2004. The sampling program concentrated on soil-human exposures. Inorganics at elevated concentrations in surface and subsurface soils were identified as being the primary contaminants of concern. The presence of both organics and inorganics in subsurface soils lead to the conclusion that ground water and surface water are most likely impacted by facility operations.

The forthcoming RFI will verify the preliminary conclusions derived from the Environmental Indicator for Human Health Exposure Study, and will further evaluate the surface and groundwater.

Effective January 2005, Solite, LLC purchased the Solite Corporation's Arvonía facility. The transfer of ownership will not impact the execution of the site wide corrective action.

Site Description

The A. F. Old Plant, operated by Solite Corporation is located on a 917 acre site near Arvonía in Buckingham County, Virginia. The A. F. Old Plant (commonly referred to as the Arvonía facility/plant) manufactures lightweight aggregate used in the manufacture of lightweight masonry units, lightweight precast units, and structural concrete. The Arvonía facility operates three rotary lightweight aggregate kilns that utilize liquid hazardous wastes as fuel. The hazardous waste fuel is stored and mixed/blended on-site by Giant Resource Recovery, Inc (formerly Oldover, Inc.), and piped to the kilns for burning. The Giant Resource Recovery, Inc (GRR!) property is a 0.76 acre tract of land wholly contained within the confines of the Arvonía facility.

The GRR! Arvonía facility holds a Hazardous Waste Management Permit for the storage and treatment of hazardous wastes. The permit became effective in October 1995 and expires in October 2005. The Arvonía facility also possesses a VPDES permit (VPDES Permit No. VAG844036) dated July 30, 1999 for surface water discharge. A Hazardous Waste Management Permit (Permit for Combustion of Hazardous Waste, Corrective Action, and Waste Minimization) was approved and issued by the VADEQ on September 24, 2003.

As previously noted, the Arvonía facility was purchased by Solite, LLC.

RCRA CA Milestones

The following RCRA CA milestones have been accomplished at this facility: NCAPS Report and CA Prioritization – 04/17/97, RFI Imposition – 09/10/99, EI Determination – 05/30/02, Hazardous Waste Management Permit – 09/24/03, and Environmental Indicator for Human Health Exposure Study – 08/04. Additional details concerning these milestones and the supporting documentation can be obtained by reviewing the files at the Virginia Department of Environmental Quality's Central Office or by contacting the project managers identified in this Fact Sheet.

Environmental Indicator Status

Under the Government Performance and Results Act (GPRA), EPA has set national goals to address high priority RCRA Corrective Action facilities by the year 2005. EPA is evaluating two key indicators for each facility: Current Human Exposures Under Control and Migration of Contaminated Groundwater Under Control. This facility is one of EPA Region III's high priority facilities and falls under this initiative.

- *Human Exposures Controlled Determination:* NO: Current Human Exposures are not under control.
- *Release to Groundwater Controlled Determination:* IN: Additional information is needed to determine if Groundwater Releases are Controlled.

The RFI will generate supplemental data that will corroborate the EI Determination and facilitate the *Release to Groundwater Controlled Determination*.

Contaminants

The Environmental Indicator for Human Health Exposure Study identified inorganics as the primary contaminants of concern. The study was a limited sampling campaign. The RFI sampling program will address the full spectrum of organics and inorganics in all environmental media and will complement the findings of the Environmental Indicator for Human Health Exposure Study.

Community Involvement

A copy of all documents relating to the RCRA CA program at the Arvonite site are available for viewing at the Virginia Department of Environmental Quality's Central Office located at 629 East Main Street, Richmond, Virginia.

Government Contacts

The Commonwealth of Virginia has the lead authority for this project. Please contact the VADEQ project manager listed below for details on this project or the contents of this fact sheet.

VADEQ Project Manager

Mr. Dennis G. Lund
Virginia Department of Environmental Quality
P.O. Box 10009
Richmond, VA 23240
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Email: dglund@deq.virginia.gov

EPA Project Manager

Mr. Mike Jacobi
U.S. Environmental Protection Agency - Region III
1650 Arch Street
Philadelphia, PA 19103-2029
Phone: (215) 814-3435
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For more information about EPA's corrective action program, including Environmental Indicators, please visit EPA's site at: www.epa.gov/reg3wcmd/correctiveaction.htm

Facility Contact

The facility contact is:

Mr. Stephen P. Holt
Director of Environmental Affairs
Solite Corporation
320 D Midland Parkway
Summerville, South Carolina 29485
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Fact Sheet Updates

The previous fact sheet was updated on January 01, 05. The next update is scheduled for December 2005. Previous fact sheets may be obtained through the listed government contacts.